

AMENDMENTS TO THE CLAIMS

1. (previously presented) A stent and a stent mandrel support supporting the stent, the stent comprising a plurality of struts, the support comprising:
 - a first member to contact a first end of the stent;
 - a second member to contact a second end of the stent; and
 - a third member connecting the first member to the second member and extending through a longitudinal bore of the stent, the third member shaped and/or sized to eliminate or substantially prevent a coating from being formed on a luminal surface of the stent during application of a coating substance to the stent.
2. (withdrawn) The stent and support of claim 1, wherein the third member is cylindrical in shape.
3. (withdrawn) The stent and support of claim 2, wherein the outer diameter of the third member is about 1.35 mm to about 1.4 mm less than the inner diameter of the stent as positioned on the support.
4. (previously presented) The stent and support of claim 1, wherein the third member has a plurality of spikes.
5. (previously presented) The stent and support of claim 4, wherein the plurality of spikes contact the luminal surface of the stent.
6. (previously presented) The stent and support of claim 4, wherein the plurality of spikes do not contact the luminal surface of the stent.
7. (previously presented) The stent and support of claim 1, wherein the cross section of the third member is star shaped.

8. (previously presented) The stent and support of claim 1, wherein the cross section of the third member is “+” or “X” shaped.

9. (currently amended) A stent and a mandrel supporting the stent, the stent comprising a plurality of struts having abluminal surfaces and luminal surfaces in fluid communication through at least a pair of the plurality of struts, the mandrel comprising: a member to penetrate at least partially into a longitudinal bore of the stent during the application of a coating substance to the stent, the member including outward projecting walls, the length of at least one of the walls being not less than 25% of the length of the stent.

10. (withdrawn) The stent and mandrel of claim 9, wherein a cross section of at least one of the walls is rectangular in shape.

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11. (previously presented) The stent and mandrel of claim 9, wherein a cross section of at least one of the walls is triangular in shape.

12. (withdrawn) The stent and mandrel of claim 9, wherein at least one of the walls has a radius of curvature.

13. (previously presented) The stent and mandrel of claim 9, wherein the length of the wall is not less than 50% of the length of the stent.

14. (previously presented) The stent and mandrel of claim 9, wherein the length of the wall is equal to or greater than the length of the stent.

15. (withdrawn) A mandrel to support a stent during the application of a coating composition to the stent, comprising a mandrel body capable of being inserted at least partially into a longitudinal bore of a stent and a spiral wall circumscribing the mandrel body.

16-17. (canceled)

18. (withdrawn) A mandrel to support a stent during application of a coating substance to the stent, comprising: a member to penetrate at least partially into a longitudinal bore of the stent during the application of a coating substance, the member including 3 outward projecting walls, each wall including a pair of opposing parallel sides.
19. (currently amended) A stent and a mandrel supporting the stent, the stent comprising a plurality of struts having abluminal surfaces and luminal surfaces in fluid communication through at least a pair of the plurality of struts, the mandrel comprising: a member penetrating at least partially into a longitudinal bore of the stent during the application of a coating substance to the stent, the member including 6 non-parallel sides.
20. (currently amended) A stent and a mandrel supporting the stent, the stent comprising a plurality of struts having abluminal surfaces and luminal surfaces in fluid communication through at least a pair of the plurality of struts, the mandrel comprising: a core section having at least three sides and a wall extending from each of the sides in an outwardly direction.
21. (previously presented) The stent and mandrel of Claim 20, wherein the walls are triangular in cross section, are square in cross section or have a curved shape.
22. (previously presented) The stent and mandrel of Claim 20, wherein the cross section of the core has a shape of a square, triangle, or rectangle.
23. (currently amended) A stent and a mandrel supporting the stent, the stent comprising a plurality of struts having abluminal surfaces and luminal surfaces in fluid communication through at least a pair of the plurality of struts, the mandrel comprising: a member penetrating at least partially into a longitudinal bore of the stent during the application of a coating substance to the stent, the member including outwardly projecting walls disposed around the circumference of the mandrel, wherein each of the walls converge with its neighboring wall at an angle.

24. (currently amended) A stent and a mandrel supporting the stent, the stent comprising a plurality of struts having abluminal surfaces and luminal surfaces in fluid communication through at least a pair of the plurality of struts, the mandrel comprising: a member penetrating at least partially into a longitudinal bore of the stent during the application of a coating substance to the stent, the member including a first end and a second end and at least 3 sides extending between the first and second end, the length of each side being at least 25% of the length of the stent.

25. (previously presented) The stent and mandrel of claim 24, wherein the length of each side is equal to or greater than the length of the stent.

26. (withdrawn) A method of coating a stent with a substance, comprising:
supporting a stent on a stent mandrel support of claims 1 – 15 and 18-25; and
applying a coating composition to the stent.